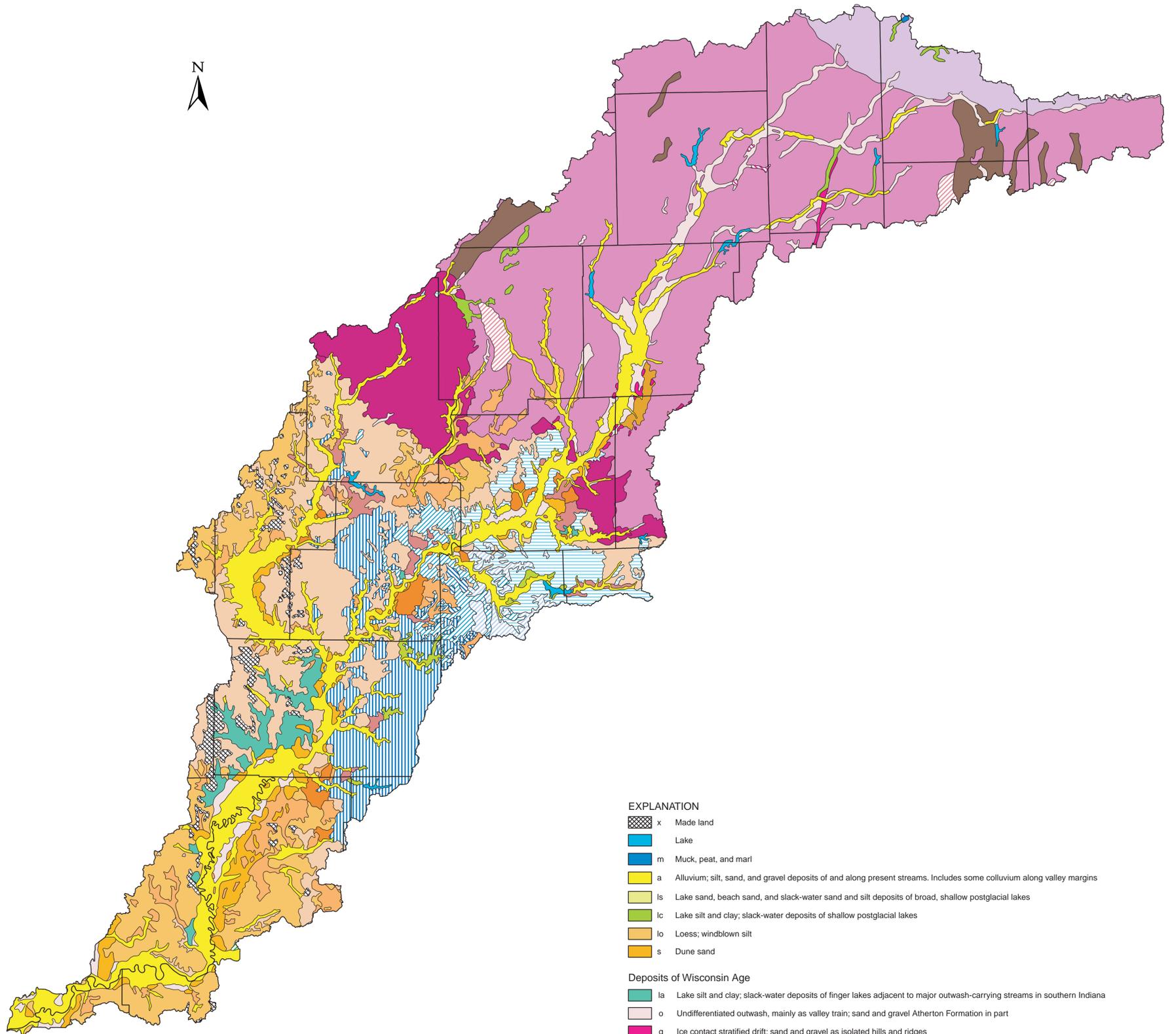


QUATERNARY GEOLOGIC MAP OF THE WEST  
 FORK WHITE RIVER BASIN (MODIFIED FROM GRAY, 1989)

STATE OF INDIANA  
 DEPARTMENT OF NATURAL RESOURCES  
 DIVISION OF WATER

WEST FORK OF THE WHITE RIVER BASIN



EXPLANATION

- x Made land
  - Lake
  - m Muck, peat, and marl
  - a Alluvium; silt, sand, and gravel deposits of and along present streams. Includes some colluvium along valley margins
  - ls Lake sand, beach sand, and slack-water sand and silt deposits of broad, shallow postglacial lakes
  - lc Lake silt and clay; slack-water deposits of shallow postglacial lakes
  - lo Loess; windblown silt
  - s Dune sand
- Deposits of Wisconsin Age**
- la Lake silt and clay; slack-water deposits of finger lakes adjacent to major outwash-carrying streams in southern Indiana
  - o Undifferentiated outwash, mainly as valley train; sand and gravel Atherton Formation in part
  - g Ice contact stratified drift; sand and gravel as isolated hills and ridges
  - tg Mixed drift; till and stratified drift in chaotic form
  - tt Mixed drift; till and stratified drift in lineated form indicating collapse associated with subice tunnels and open ice-walled channels
  - mc Silty clay-loam to clay-loam till of Lagro Formation; areas of morainal topography
  - tc Silty clay-loam to clay loam till of Lagro Formation
  - mb Loam till of Trafalgar Formation; areas of morainal topography
  - tb Loam till of Trafalgar Formation
  - ma Loam till of Trafalgar Formation; areas of morainal topography includes a surface layer of loess 20 to 40 inches thick
  - ta Loam till of Trafalgar Formation
  - rl Lowland silt complex; poorly stratified sand and silt, in part alluvial and colluvial and in part windblown. Where present as terrace remnants in narrow valleys, this material has been assigned to the Prospect Formation
- Deposits of pre-Wisconsin Age**
- LC Lake silt and clay; terrace remnants of slack-water deposits of finger lakes adjacent to outwash-carrying streams
  - O Undifferentiated outwash, mainly as isolated scraps of valley train; sand and gravel
  - TG Mixed drift; till and stratified drift in chaotic form
  - TE Loam to sandy loam till of Jessup Formation, eastern source
- Areas with little or no Quaternary deposits**
- 1 Sandstone, shale, limestone, and coal of Middle Pennsylvanian age
  - 2 Sandstone, shale, and limestone of Late Mississippian and Early Pennsylvanian age
  - 3 Limestone of Middle Mississippian age overlain by regolith and colluvium as much as 5 feet thick
  - 3K Karst; many sinkholes, internal drainage, and regolith as much as 30 feet thick over limestone of Middle Mississippian age
  - 3T Terra Rossa; red clayey regolith 5 to 50 feet thick over limestone of Middle Mississippian age
  - 4 Siltstone and shale of Early to Middle Mississippian age
  - 6 Limestone and dolomite of Silurian and Devonian age

